	Application No.	Applicant(s)
Notice of Allowability	09/965,094	IGGULDEN ET AL.
	Examiner	Art Unit
	DuyVu n Deo	1765
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL-1 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED i 35) or other appropriate comm RIGHTS. This application is:	n this application. If not included unication will be mailed in due course. THIS
 This communication is responsive to <u>amendment filed 1</u> The allowed claim(s) is/are <u>5-18</u>. The drawings filed on are accepted by the Exami Acknowledgment is made of a claim for foreign priority All b) Some* c) □ None of the: 	iner.	or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents ha	ave been received	
Certified copies of the priority documents have		on No
3. Copies of the certified copies of the priority		
International Bureau (PCT Rule 17.2(a)).		3
* Certified copies not received:		
 Acknowledgment is made of a claim for domestic priority reference was included in the first sentence of the specification. The translation of the foreign language provisional Acknowledgment is made of a claim for domestic priority. 	fication or in an Application Da al application has been receive	uta Sheet. 37 CFR 1.78. ad.
in the first sentence of the specification or in an Applicati	ion Data Sheet. 37 CFR 1.78.	or 121 since a specific reference was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONMENT	of this communication to file a of this application. THIS THR	a reply complying with the requirements noted REE-MONTH PERIOD IS NOT EXTENDABLE
 A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g 	omitted. Note the attached EXA pives reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF r declaration is deficient.
 CORRECTED DRAWINGS (as "replacement sheets") in (a)		w (PTO-948) attached
(b) including changes required by the proposed drawing Examiner.	g correction filed <u>06 October 2</u>	2003, which has been approved by the
(c) including changes required by the attached Examine	er's Amendment / Comment or	in the Office action of Paper No
Identifying indicia such as the application number (see 37 CFF each sheet. Replacement sheet(s) should be labeled as such in	R 1.84(c)) should be written on the thing to 37 CF	he drawings in the front (not the back) of R 1.121(d).
9. DEPOSIT OF and/or INFORMATION about the departached Examiner's comment regarding REQUIREMENT FOR	oosit of BIOLOGICAL MATE THE DEPOSIT OF BIOLOGIC	ERIAL must be submitted. Note the CAL MATERIAL.
Attachment(s)		
I ☐ Notice of References Cited (PTO-892)	5 Notice of Info	ormal Patent Application (PTO-152)
Notice of Draftperson's Patent Drawing Review (PTO-948)		mmary (PTO-413), Paper No. <u>12/61/</u> 03
B⊠ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No. <u>filed</u> のオ (ら, 2003	08), 7⊠ Examiner's A	mendment/Comment
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's S 9⊡ Other	Statement of Reasons for Allowance
		NADINE G. NORTON PRIMARY EXAMINER

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Kesterson on 12/1/03.

The application has been amended as follows:

Claim 1, lines 5 and 6, delete "above said first dielectric layer"

Claim 15, add "." At the end of the claim.

2. The following is an examiner's statement of reasons for allowance: applied prior art, Lou, doesn't suggest or teach physical vapor depositing a TiN layer to obtain a liner having a very poor step coverage such that the top surface of the top dielectric layer is covered with a layer of TiN and the sidewalls of the at least one trench are substantially covered with a layer of TiN while the bottom of the lat least one trench is left substantially free of TiN during the PVD deposition. Lou teaches the bottom of the trench is covered with TiN during the PVD deposition.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DuyVu n Deo whose telephone number is 703-305-0515.

DVD

12/2/03

SUPERVISOR
NADINE G. NORTON
PRIMARY EXAMINER

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